

ABSTRACT

**COMPOSITIONS AND METHODS FOR IN SITU AND IN VIVO
IMAGING OF CELLS AND TISSUES**

5 The invention provides compositions and methods for imaging cells and
tissues *in vivo* and *in situ*. Compositions and methods are provided for administration to
enhance the imaging of cells and tissues by, e.g., computer assisted tomography (CAT),
magnetic resonance spectroscopy (MRS), magnetic resonance imaging (MRI), positron
emission tomography (PET), single-photon emission computed tomography (SPECT), or
10 bioluminescence imaging (BLI). Thus, the invention provides compositions and methods
for identifying sites of primary and metastatic tumors and tumor neovasculation.

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